

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number  
**WO 2005/079798 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 31/495**,  
A01N 43/54, C07D 239/42, 239/46, 239/48, 239/56,  
401/04, 401/06, 401/14, 403/04, 403/14, 407/06, 409/06,  
417/04

(74) Common Representative: **BAYER CROPSCIENCE AG**; Business Planning and Administration, Law and Patents, Patents and Licensing, 51368 Leverkusen (DE).

(21) International Application Number:  
PCT/EP2005/001383

(22) International Filing Date: 11 February 2005 (11.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(30) Priority Data:  
2004-043405 19 February 2004 (19.02.2004) JP

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **BAYER CROPSCIENCE AG** [DE/DE]; Alfred-Nobel-Str. 50, 40789 Monheim (DE).

(72) Inventors; and

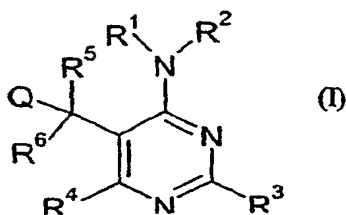
(75) Inventors/Applicants (*for US only*): **ITO, Masahito** [JP/JP]; 4-3-27, Kamikashiwada, Ushiku-shi, Ibaraki 300-1232 (JP). **HATAZAWA, Mamoru** [JP/JP]; 2-3-10, Ninomiya, Tsukuba-shi, Ibaraki 305-0051 (JP). **ARAKI, Yasuo** [JP/JP]; 3485-3, Kaminokawa, Kaminokawa-machi, Kawachi-gun, Tochigi 329-0611 (JP). **INUTA, Tetsuya** [JP/JP]; 1-17-11, Inuzuka, Oyama-shi, Tochigi 323-0811 (JP).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PYRIMIDINE DERIVATIVES AND USE THEREOF AS AGRICULTURAL AND HORTICULTURAL FUNGICIDES



(57) Abstract: An agrohorticultural fungicide characterized by containing benzylpyrimidine derivatives represented by the formula (I) wherein R<sup>1</sup> to R<sup>6</sup> and Q are as defined in the description.

WO 2005/079798 A1